



AMENDMENTS TO THE CLAIMS

11. (Canceled)

12. (Currently Amended) Method for the preventive and curative treatment of alopecia or of hair loss comprising the administration to a patient in need thereof of an effective amount of a peptide corresponding to general formula (I)

~~X-Gly-His-Lys-Y (I) (SEQ ID Nos.: 1-2)~~

or of the a peptide conjugate thereof which is not coupled with zinc and which corresponding corresponds to general formula (II)

~~A-X-Gly-His-Lys-Y (II) (SEQ ID Nos. 3-4)~~

A-X-Gly-His-Lys-Y (II) (SEQ ID NOS: 3-4)

in which

A represents the radical corresponding to

-a monocarboxylic acid of general formula (III)

HOOC-R (III)

in which

R represents a linear or branched C₁-C₂₄ aliphatic radical optionally substituted with a hydroxyl group, possibly containing one or more unsaturations,

-Lipoic acid or its reduced form, dihydrolipoic acid, N-lipoyl-lysine or retinoic acid,

X represents a chain of 1 to 3 Lys residues, that are optionally methylated, or[[,]] ~~when the formula is formula (II)~~, a bond,

Y represents an -OH or-NH₂ group,

the amino acids being in D, L or DL form,

~~or A-X represents a hydrogen atom,~~

in the form of enantiomers or of diastereoisomers, and also the mixtures thereof, including racemic mixtures.

13. (Previously Presented) The method as claimed in claim 12, wherein the acid of general formula (III) is an omega-3 acid chosen from α -linolenic acid, cervonic acid, timnodonic acid and pinolenic acid or a C₁-C₂₄ aliphatic radical chosen from acetic acid, myristic acid, palmitic acid, and hydroxydecanoic and decenoic acids, or an acid chosen from lipoic acid or its reduced form, dihydrolipoic acid, N-lipoyl-lysine or retinoic acid.

14. (Previously Presented) The method as claimed in claim 13, wherein A is chosen from lipoic acid and acetic acid.

15. (Currently Amended) The method as claimed in claim 12, wherein the peptide conjugate of formula II is chosen from the peptide conjugates of the following formula:

- 1- A-MeLys-Lys-Lys-Gly-His-Lys-NH₂ (~~SEQ ID No. 5~~) (SEQ ID NO: 5),
- 2- A-MeLys-Lys-Gly-His-Lys-NH₂ (~~SEQ ID No. 6~~) (SEQ ID NO: 6),
- 3- A-MeLys-Gly-His-Lys-NH₂ (~~SEQ ID No. 7~~) (SEQ ID NO: 7),
- 4- A-MeLys-Lys-Lys-Gly-His-Lys-OH (~~SEQ ID No. 8~~) (SEQ ID NO: 8),
- 5- A-MeLys-Lys-Gly-His-Lys-OH (~~SEQ ID No. 9~~) (SEQ ID NO: 9),
- 6- A-MeLys-Gly-His-Lys-OH (~~SEQ ID No. 10~~) (SEQ ID NO: 10),
- 7- A-Lys-Lys-Gly-His-Lys-NH₂ (~~SEQ ID No. 11~~) (SEQ ID NO: 11),
- 8- A-Lys-Gly-His-Lys-NH₂ (~~SEQ ID No. 12~~) (SEQ ID NO: 12),
- 9- A-Lys-Lys-Gly-His-Lys-OH (~~SEQ ID No. 13~~) (SEQ ID NO: 13), and
- 10- A-Lys-Gly-His-Lys-OH (~~SEQ ID No. 14~~) (SEQ ID NO: 14),

A being an acid of general formula (III) as defined in claim 12.

16. (Currently Amended) The method as claimed in claim 12, wherein ~~the peptide or~~ peptide conjugate of formula II is chosen from:

~~H-Gly-His-Lys-OH,~~

Lipoyl-Lys-Gly-His-Lys-NH₂ (SEQ ID NO: 12), and

Ac-Lys-Gly-His-Lys-NH₂ (SEQ ID NO: 12).

17. (Previously Presented) The method as claimed in claim 12, wherein, combined with the ~~peptide or~~ peptide conjugate of formula II, is a compound that improves hair regrowth, chosen from minoxidil, nicotinic acid esters, anti-inflammatory agents, retinoic acid or derivatives thereof, retinol or 5 α -reductase inhibitors.

18. (Canceled)

19. (Previously Presented) The method as claimed in claim 12, wherein the administration is made by topical route and wherein a UVB-screening agent chosen from p-aminobenzoic acid or PABA and esters thereof, cinnamates, salicylates, benzimidazoles, benzylidenecamphor derivatives, and triazines, is combined to ~~the peptide or~~ the peptide conjugate[[s]] of formula II.

20.- 22. (Canceled)

23. (New) The method as claimed in claim 12, wherein the administration is an application to the scalp of the patient.